Fluoropolymers
for Automotive Applications

Material science solutions beyond fuel systems

AGC fluoropolymers have outperformed other materials for years in automotive fuel systems components like hoses, liquid lines, connectors, tanks, coolers, valves, and seals.

Now our fluoropolymer resins, compounds, and fluoroelastomers are also being used for under-the-hood components like HVAC hoses and tubes that come in contact with extreme temperatures and harsh chemicals and fuels. Design your specific solution with our technology and expertise.

Benefits of using Fluon+ value-added materials and AFLAS fluoroelastomers

Fluon+ Enhanced Material Science

- Excellent chemical, wear and heat resistance
- Reliable permeation resistance
- Lubricity for reduced friction
- Superior quality and product uniformity for seals
- Custom formulations available

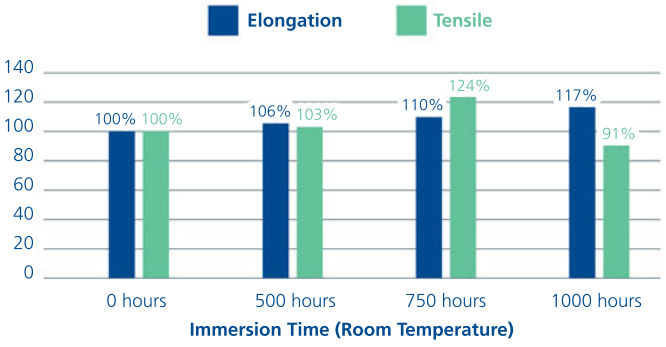
AFLAS FLUOROELASTOMERS

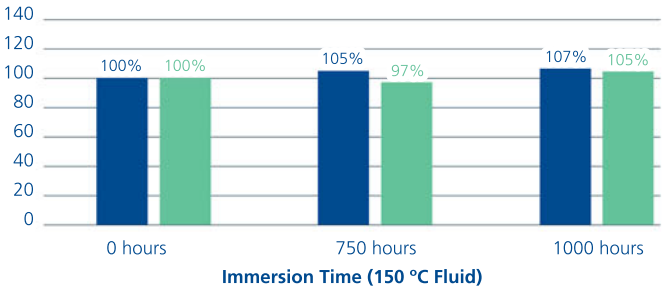
- Resistance to cold, heat, chemicals, solvents, ozone and steam
- Low flame characteristics
- Excellent mechanical strength and compression set

Fluon+ Enhanced Materials

- LH-8000 – Ultra-low melting ETFE adhesive grade
- EA-2000 – PFA high heat resistant adhesive grade
- AH-ETFE – Resists permeation and improves adhesion
- C88AXMP-HT – Service temperature up to 200 ˚C and high speed processing

Physical Property Retention of Fluon ETFE



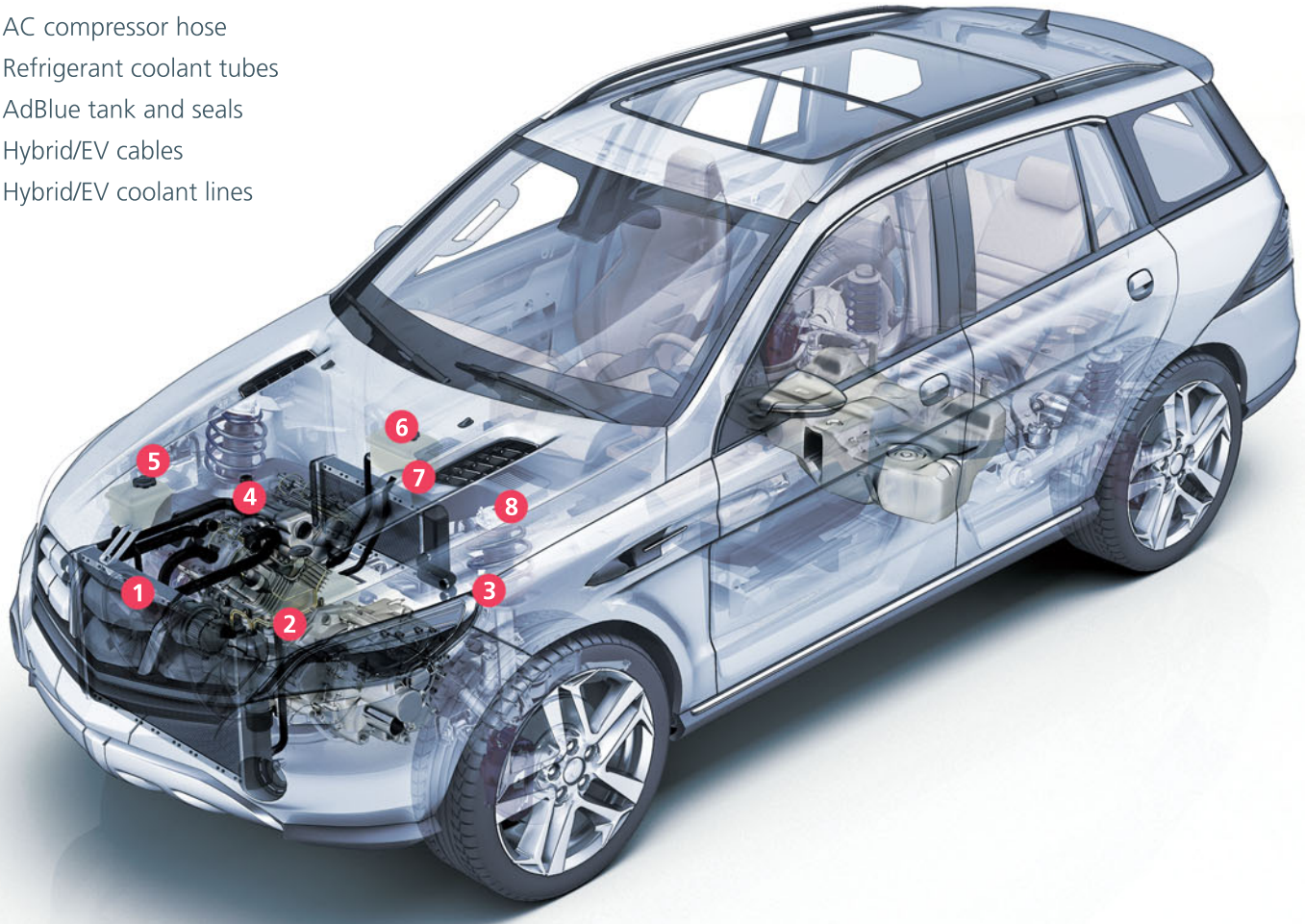


Fluoropolymers
for Under-the-Hood Automotive Applications

Chemical and temperature resistance qualities are ideal for under-the-hood applications that come in contact with harsh chemicals and fuels. We formulate compounds to your specifications.

Applications

1. Elastomeric multi-layer hose in radiators and HVAC systems
2. Evaporative emission control (EVAP) system seals
3. Transmission oil coolant (TOC) lines
4. AC compressor hose
5. Refrigerant coolant tubes
6. AdBlue tank and seals
7. Hybrid/EV cables
8. Hybrid/EV coolant lines



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